

### **Amendments to the Claims**

**1. (Original)** A thermogenic gene SfUCPa derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 1.

**2. (Original)** A thermogenic gene SfUCPb derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 3.

**3. (Cancelled)**

**4. (Cancelled)**

**5. (Original)** A DNA fragment comprising the base sequence of SEQ ID NO: 1 or a partial sequence thereof.

**6. (Original)** A DNA fragment comprising the base sequence of SEQ ID NO: 3 or a partial sequence thereof.